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(54) Title: FOAM COMPOSITE FOR ABSORPTION OF HYDROCARBON AND PROCESS FOR MAKING SAME

(57) Abstract: A foam composite adapted to remove sparingly soluble hydrocarbon contaminants from water is provided. The adapted foam composite comprises a scaffold of an open cell hydrophobic polyurethane foam having a plurality of pores with a plurality of surfaces which have a coating of hydrophobic polyurethane disposed thereupon. The foam composite may be made by preparing a hydrophobic polyurethane prepolymer comprising the reaction product of a C8-C12 monohydric alcohol with a polyisocyanate, contacting an open cell hydrophobic polyurethane foam having a plurality of pores having a plurality of surfaces with the hydrophobic polyurethanes prepolymer and a polyol, and curing the prepolymer to form a coating of hydrophobic polyurethane on the surfaces of the pores of the hydrophobic polyurethane foam.



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